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BUREAU OF THE CENSUS

Manufacturers' Shipments, Inventories, and Orders

November 1998

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Note: All figures in text are in seasonally adjusted current dollars

Summary

New orders for manufactured goods in November increased \$1.9 billion or 0.6 percent to \$336.6 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 1.7 percent October decrease and is the fifth increase in the last six months. Excluding transportation, new orders increased 0.7 percent, the second increase in the last three months. Year to date, new orders are 2.0 percent above the same period a year ago.

Shipments increased \$1.2 billion or 0.4 percent to \$341.4 billion, following a 0.1 percent October decrease. This is the fifth increase in the last six months. Year to date, shipments are 3.1 percent above the same period a year ago.

Unfilled orders, down six of the last seven months, decreased \$4.8 billion or 0.9 percent to \$520.0 billion, following a 1.0 percent October decrease. The unfilled orders-to-shipments ratio was 2.62, down from 2.66 in October. The ratio has declined five of the last six months.

Inventories increased \$0.7 billion or 0.1 percent to \$471.7 billion. This is the twenty-second increase in the last twenty-three months. The inventories-to-shipments ratio was 1.38, unchanged from October.

New Orders

New orders for manufactured durable goods in November increased \$1.5 billion or 0.8 percent to \$190.0 billion, revised from the previously published 1.0 percent increase. This follows a 2.2 percent October decrease and is the fifth increase in the last six months.

Primary metals, up for the first month since August, had the largest increase, \$1.2 billion or 9.2 percent to \$14.6 billion, following a 4.1 percent October decrease. Instruments and related products increased \$0.3 billion or 2.4 percent to \$14.0 billion. This follows a 5.3 percent October decrease. Electronic and other electrical equipment, down for the first month since August, decreased \$0.6 billion or 1.8 percent to \$32.7 billion, due to electronic components. This follows a 1.5 percent October increase.

New orders for nondurable goods, up two of the last three months, increased \$0.4 billion or 0.3 percent to \$146.6 billion. This follows a 1.0 percent October decrease. Increases, led by chemicals and allied products, more than offset decreases, led by textile mill products.

Shipments

Shipments of durable goods in November increased \$1.1 billion or 0.6 percent to \$194.9 billion, unrevised from the previously published 0.6 percent increase. This follows a 0.5 percent October increase and is the sixth consecutive monthly increase. Instruments

and related products increased \$0.5 billion or 3.6 percent to \$14.6 billion. This follows a 1.8 percent October decrease. Electronic and other electrical equipment, up five of the last six months, increased \$0.5 billion or 1.6 percent to \$32.7 billion, following a 0.6 percent October decrease. Primary metals, down eight of the last nine months, decreased \$0.3 billion or 2.0 percent to \$14.3 billion, following a 2.4 percent October decrease.

Shipments of nondurable goods, up for the first month since June, increased \$0.1 billion or 0.1 percent to \$146.4 billion, following a 0.9 percent October decrease. Chemicals and allied products, up two of the last three months, increased \$0.5 billion or 1.5 percent to \$32.4 billion, following a 2.0 percent October decrease. Petroleum and coal products, down seven of the last eight months, had the largest decrease, \$0.4 billion or 3.4 percent to \$11.1 billion. This follows a 3.2 percent October decrease.

Unfilled Orders

Unfilled orders for durable goods in November decreased \$4.9 billion or 1.0 percent to \$495.9 billion, revised from the previously published 0.9 percent decrease. This follows a 1.0 percent October decrease and is the sixth decline in the last seven months. Transportation equipment, down six of the last seven months, had the largest decrease, \$3.4 billion or 1.4 percent to \$244.8 billion. This follows a 1.3 percent October decrease. Industrial machinery and equipment, down for the second consecutive month, decreased \$1.0 billion or 1.4 percent to \$73.1 billion, following a 2.0 percent October decrease. Primary metals, up for the first month since February, increased \$0.3 billion or 0.9 percent to \$29.7 billion. This follows a 4.1 percent October decrease.

Inventories

Inventories of durable goods in November decreased \$0.1 billion to \$298.5 billion, following a 0.6 percent October increase. This is the second decrease this year. Transportation equipment, down two of the last three months, decreased \$0.4 billion or 0.6 percent to \$76.6 billion, following a 1.7 percent October increase. Industrial machinery and equipment, up for the first month since August, increased \$0.2 billion or 0.3 percent to \$61.0 billion. This follows a 0.2 percent October decrease.

Inventories of nondurable goods, up ten of the last eleven months, increased \$0.8 billion or 0.5 percent to \$173.3 billion, following a 0.4 percent October increase. Chemicals and allied products, up ten of the last eleven months, increased \$0.5 billion or 1.1 percent to \$46.9 billion, following a 0.1 percent October increase.

By stage of fabrication, November finished goods increased 0.8 percent in durables and 0.2 percent in nondurables. Work in process decreased 0.5 percent in durables and increased 1.7 percent in nondurables. Materials and supplies decreased 0.2 percent in durables and increased 0.3 percent in nondurables.

Our internet address is: <http://www.census.gov/indicator/www/m3>

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change Nov. 98/97	Year to date	
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997		1998 ^p	1997
All manufacturing industries	341,370	340,133	340,481	+0.4	-0.1	+1.2	341,714	350,525	364,324	331,406	+3.1	3,710,500	3,597,036
Manufacturing Industries													
with unfilled orders	198,697	197,344	196,406	+0.7	+0.5	+1.4	199,692	200,633	213,090	188,589	+5.9	2,130,237	2,019,556
without defense capital goods . . .	334,466	333,065	333,875	+0.4	-0.2	+1.2	334,610	343,522	357,231	324,425	+3.1	3,638,462	3,528,942
Durable goods industries	194,923	193,818	192,842	+0.6	+0.5	+2.1	194,994	199,125	209,036	181,893	+7.2	2,078,029	1,971,552
With unfilled orders	161,817	160,571	159,516	+0.8	+0.7	+2.1	161,929	162,408	173,973	150,242	+7.8	1,717,559	1,618,446
Stone, clay, and glass products	8,211	8,149	8,077	+0.8	+0.9	+0.8	8,031	8,757	8,608	7,381	+8.8	88,778	83,527
Primary metals	14,298	14,590	14,951	-2.0	-2.4	-0.7	13,926	14,935	15,402	15,420	-9.7	167,988	174,502
Blast furnaces, steel mills	5,560	5,729	5,909	-2.9	-3.0	-3.2	5,319	5,851	6,003	6,139	-13.4	67,867	71,036
Iron and steel foundries	1,505	1,490	1,507	+1.0	-1.1	+2.3	1,473	1,603	1,590	1,389	+6.0	16,772	15,560
Nonferrous and other primary metals	7,233	7,371	7,535	-1.9	-2.2	+0.7	7,134	7,481	7,809	7,892	-9.6	83,349	87,906
Fabricated metal products	20,366	20,176	20,235	+0.9	-0.3	+0.6	20,191	21,391	21,460	18,961	+6.5	220,479	208,242
Industrial machinery and equipment . .	36,777	37,011	36,775	-0.6	+0.6	+0.2	34,574	35,476	40,690	32,592	+6.1	402,263	370,223
Engines and turbines	2,414	2,391	2,208	+1.0	+8.3	-2.6	2,357	2,250	2,468	2,018	+16.8	24,260	21,547
Farm and garden machinery	1,697	1,762	1,890	-3.7	-6.8	-3.1	1,242	1,624	1,744	1,311	-5.3	22,527	21,417
Construction, mining and material handling equipment	4,064	4,096	4,256	-0.8	-3.8	-1.2	3,767	4,044	4,280	3,771	-0.1	46,591	41,847
Metalworking machinery	3,704	3,620	3,515	+2.3	+3.0	+1.5	4,164	3,882	3,981	3,802	+9.5	38,370	37,644
Computer and office equipment	11,130	11,204	10,869	-0.7	+3.1	-1.0	10,204	9,633	13,791	8,427	+21.1	115,239	98,203
Electronic and other electrical equipment	32,729	32,219	32,422	+1.6	-0.6	+3.8	34,130	32,427	36,667	30,891	+10.5	339,143	317,685
Electrical transmission and distribution equipment and industrial apparatus	3,599	3,608	3,922	-0.2	-8.0	+5.5	3,468	3,522	4,417	3,383	+2.5	40,345	37,883
Household appliances	2,125	2,051	2,101	+3.6	-2.4	+1.2	2,084	2,067	2,279	1,975	+5.5	22,980	21,390
Electric lighting and wiring equipment	2,239	2,250	2,282	-0.5	-1.4	+1.6	2,347	2,225	2,540	2,328	+0.8	24,462	23,849
Household audio and video equipment	1,000	1,007	974	-0.7	+3.4	-3.0	1,270	1,340	1,188	1,331	-4.6	11,263	10,945
Communications equipment	7,576	7,362	7,631	+2.9	-3.5	+8.9	7,646	6,995	8,803	6,461	+18.3	75,506	67,802
Electronic components	13,799	13,638	13,280	+1.2	+2.7	+2.3	14,340	13,649	14,870	12,645	+13.4	140,309	130,511
Transportation equipment	48,329	48,017	46,588	+0.6	+3.1	+4.9	49,806	51,680	49,441	43,769	+13.8	490,295	459,900
Motor vehicles and parts	31,599	31,586	31,061	0.0	+1.7	+3.5	32,645	35,596	32,753	29,904	+9.2	331,337	320,596
Aircraft, missiles, space vehicles, and parts.	13,210	12,797	11,921	+3.2	+7.3	+7.7	13,618	12,335	12,771	10,884	+25.1	123,499	107,957
Shipbuilding and tanks	1,278	1,456	1,073	-12.2	+35.7	+6.1	1,314	1,475	1,108	877	+49.8	11,191	9,631
Instruments and related products	14,550	14,040	14,298	+3.6	-1.8	+4.0	14,632	13,698	15,714	13,735	+6.5	153,645	147,963
Search and navigation equipment	3,256	3,182	3,042	+2.3	+4.6	-2.4	3,285	3,074	3,378	2,750	+19.5	33,497	30,261
Measuring and controlling devices	4,240	3,927	4,014	+8.0	-2.2	+5.0	4,262	3,838	4,396	4,245	+0.4	44,539	45,714
Medical instruments and supplies	4,639	4,521	4,668	+2.6	-3.1	+7.3	4,554	4,309	5,135	4,249	+7.2	49,035	45,984
Photographic goods	1,937	1,952	2,118	-0.8	-7.8	+5.4	2,056	2,032	2,328	2,074	-0.9	21,533	21,365
All other durable goods	19,663	19,616	19,496	+0.2	+0.6	-0.1	19,704	20,761	21,054	19,144	+2.9	215,438	209,510
Nondurable goods industries	146,447	146,315	147,639	+0.1	-0.9	0.0	146,720	151,400	155,288	149,513	-1.9	1,632,471	1,625,484
With unfilled orders	36,880	36,773	36,890	+0.3	-0.3	-1.6	37,763	38,225	39,117	38,347	-1.5	412,678	401,110
Food and kindred products	41,429	41,351	41,272	+0.2	+0.2	+0.4	42,279	42,783	43,044	40,600	+4.1	449,520	430,814
Meat products	8,796	8,692	8,786	+1.2	-1.1	-0.4	8,907	8,773	8,946	8,720	+2.1	96,086	94,444
Dairy products	6,671	6,466	6,578	+3.2	-1.7	+4.7	6,906	6,339	6,752	5,253	+31.5	68,177	54,219
Beverages	6,032	6,138	6,206	-1.7	-1.1	+1.8	5,728	6,114	6,381	5,829	-1.7	67,347	65,051
All other foods, except fats and oils	17,797	17,968	17,691	-1.0	+1.6	-1.0	18,605	19,470	18,954	18,646	-0.2	195,110	195,012
Tobacco products	3,365	3,466	3,523	-2.9	-1.6	+1.3	3,347	3,659	3,522	3,627	-7.7	37,714	35,546
Textile mill products	6,496	6,551	6,491	-0.8	+0.9	-3.0	6,530	6,836	7,129	7,138	-8.5	74,796	77,501
Broadwoven fabrics and other textiles	3,868	3,899	3,927	-0.8	-0.7	-1.0	3,752	3,948	4,311	4,174	-10.1	44,987	47,071
Paper and allied products	13,468	13,421	13,518	+0.4	-0.7	-1.8	13,292	13,735	13,981	13,706	-3.0	152,169	148,065
Pulp, paper, and paperboard mill products	5,037	5,113	5,115	-1.5	0.0	-2.9	5,011	5,235	5,256	5,563	-9.9	58,669	59,178
Paperboard containers and boxes	3,499	3,434	3,461	+1.9	-0.8	-3.5	3,430	3,545	3,527	3,510	-2.3	39,539	37,126
Miscellaneous converted paper products	4,932	4,874	4,942	+1.2	-1.4	+0.7	4,851	4,955	5,198	4,633	+4.7	53,961	51,761
Chemicals and allied products	32,436	31,960	32,616	+1.5	-2.0	+1.3	31,156	31,536	34,084	31,173	-0.1	358,521	356,909
Industrial chemicals	14,416	14,585	14,675	-1.2	-0.6	-0.1	13,938	14,397	14,920	15,593	-10.6	165,663	177,985
Drugs, soaps, and toiletries	14,253	13,546	14,212	+5.2	-4.7	+2.3	14,176	13,850	15,956	12,576	+12.7	149,841	136,168
Petroleum and coal products	11,107	11,500	11,885	-3.4	-3.2	+1.1	11,222	12,267	12,436	14,419	-22.2	135,142	163,716
Rubber and plastics products	13,209	13,249	13,282	-0.3	-0.2	+0.7	12,697	13,796	13,875	12,615	+0.7	146,158	144,525
All other nondurable goods	24,937	24,817	25,052	+0.5	-0.9	-1.5	26,197	26,788	27,217	26,235	-0.1	278,451	268,408

^p Preliminary. ^r Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey error and revision.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted ¹						
	Monthly			Percent Change			Monthly				Percent change Nov. 98/97	Year to date	
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997		1998 ^p	1997
All manufacturing industries	336,604	334,663	340,388	+0.6	-1.7	+0.8	334,672	347,900	359,884	340,579	-1.7	3,694,665	3,621,413
Manufacturing industries with unfilled orders	193,931	191,874	196,313	+1.1	-2.3	+0.7	192,650	198,008	208,650	197,762	-2.6	2,114,402	2,043,933
without defense capital goods	330,731	328,310	333,346	+0.7	-1.5	+0.1	328,575	342,165	352,355	334,455	-1.8	3,631,676	3,563,504
Durable goods industries	190,033	188,523	192,783	+0.8	-2.2	+1.3	187,774	197,533	205,297	191,215	-1.8	2,063,995	1,995,104
With unfilled orders	156,927	155,276	159,457	+1.1	-2.6	+1.1	154,709	160,816	170,234	159,564	-3.0	1,703,525	1,641,998
Stone, clay, and glass products	8,149	8,038	8,028	+1.4	+0.1	+0.8	7,910	8,520	8,541	7,252	+9.1	88,659	83,196
Primary metals	14,574	13,343	13,917	+9.2	-4.1	-3.4	14,121	13,123	13,789	15,763	-10.4	161,695	178,680
Blast furnaces, steel mills	5,598	4,912	5,347	+14.0	-8.1	-3.2	5,363	4,798	5,088	6,610	-18.9	64,186	72,878
Iron and steel foundries	1,563	1,504	1,384	+3.9	+8.7	-13.1	1,515	1,570	1,378	1,612	-6.0	16,678	16,507
Nonferrous and other primary metals	7,413	6,927	7,186	+7.0	-3.6	-1.5	7,243	6,755	7,323	7,541	-4.0	80,831	89,295
Fabricated metal products	20,316	20,095	19,930	+1.1	+0.8	+1.2	19,810	21,088	20,918	18,834	+5.2	219,692	210,678
Industrial machinery and equipment	35,753	35,503	38,983	+0.7	-8.9	+4.1	34,145	34,785	43,032	33,326	+2.5	402,565	372,154
Engines and turbines	2,282	2,769	5,395	-17.6	-48.7	+52.4	2,426	2,994	6,143	2,347	+3.4	29,120	21,424
Construction, mining and material handling equipment	3,834	3,748	3,906	+2.3	-4.0	+0.8	3,552	3,839	3,905	3,962	-10.3	45,699	43,195
Metalworking machinery	3,569	3,379	3,315	+5.6	+1.9	-4.7	4,029	3,641	3,781	3,709	+8.6	37,980	37,010
Computer and office equipment	10,988	10,948	10,867	+0.4	+0.7	-2.2	10,177	9,522	13,623	8,468	+20.2	115,465	96,574
Electronic and other electrical equipment	32,737	33,348	32,870	-1.8	+1.5	+5.6	32,041	37,676	34,517	28,781	+11.3	346,543	324,978
Electrical transmission and distribution equipment and industrial apparatus	3,537	3,647	3,876	-3.0	-5.9	+4.1	3,343	3,641	4,221	3,399	-1.6	40,076	37,672
Electric lighting and wiring equipment	2,145	2,270	2,082	-5.5	+9.0	-6.4	2,253	2,245	2,340	2,295	-1.8	24,447	24,221
Communications equipment	7,847	7,752	7,940	+1.2	-2.4	+17.1	7,927	7,388	9,120	6,296	+25.9	78,956	70,168
Electronic components	13,503	14,157	13,655	-4.6	+3.7	+3.1	12,228	18,111	12,937	11,322	+8.0	144,594	134,296
Transportation equipment	44,886	44,870	45,101	0.0	-0.5	-3.5	46,333	48,013	47,885	54,127	-14.4	478,764	464,366
Aircraft, missiles, space vehicles, and parts.	9,944	9,637	9,109	+3.2	+5.8	-30.5	10,322	8,842	9,924	20,729	-50.2	112,347	111,763
Shipbuilding and tanks	780	1,936	2,107	-59.7	-8.1	306.0	818	1,939	2,217	851	-3.9	10,776	7,591
Instruments and related products	13,968	13,642	14,403	+2.4	-5.3	+7.6	13,967	13,397	15,653	14,083	-0.8	150,502	149,390
Search and navigation equipment	2,856	2,743	3,044	+4.1	-9.9	+11.0	2,929	2,412	3,407	2,853	+2.7	30,345	29,920
Measuring and controlling devices	4,113	3,930	3,942	+4.7	-0.3	+2.4	4,135	3,841	4,324	4,228	-2.2	43,773	45,904
Medical instruments and supplies	4,525	4,564	4,867	-0.9	-6.2	+12.0	4,357	4,701	5,150	4,407	-1.1	50,461	46,894
All other durable goods	19,650	19,684	19,551	-0.2	+0.7	+0.1	19,447	20,931	20,962	19,049	+2.1	215,575	211,662
Nondurable goods industries	146,571	146,140	147,605	+0.3	-1.0	+0.1	146,898	150,367	154,587	149,364	-1.7	1,630,670	1,626,309
With unfilled orders	37,004	36,598	36,856	+1.1	-0.7	-1.3	37,941	37,192	38,416	38,198	-0.7	410,877	401,935

^p Preliminary. ^r Revised.

¹ Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(96), "Manufacturers' Shipments, Inventories, and Orders: 1987-1996."

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Nov. 98/97
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997	
All manufacturing industries	520,030	524,796	530,266	-0.9	-1.0	0.0	515,723	522,765	525,390	533,329	-3.3
Manufacturing industries without defense capital goods	424,724	428,459	433,214	-0.9	-1.1	-0.1	422,556	428,591	429,948	433,810	-2.6
Durable goods industries	495,869	500,759	506,054	-1.0	-1.0	0.0	492,300	499,520	501,112	507,877	-3.1
Stone, clay, and glass products	6,228	6,290	6,401	-1.0	-1.7	-0.8	6,057	6,178	6,415	6,173	-1.9
Primary metals	29,664	29,388	30,635	+0.9	-4.1	-3.3	28,045	27,850	29,662	33,445	-16.1
Blast furnaces, steel mills	11,475	11,437	12,254	+0.3	-6.7	-4.4	10,677	10,633	11,686	13,742	-22.3
Iron and steel foundries	5,599	5,541	5,527	+1.0	+0.3	-2.2	5,382	5,340	5,373	5,249	+2.5
Nonferrous and other primary metals	12,590	12,410	12,854	+1.5	-3.5	-2.6	11,986	11,877	12,603	14,454	-17.1
Fabricated metal products	26,087	26,137	26,218	-0.2	-0.3	-1.1	25,563	25,944	26,247	26,339	-2.9
Industrial machinery and equipment	73,098	74,122	75,630	-1.4	-2.0	+3.0	73,727	74,156	74,847	75,001	-1.7
Engines and turbines	16,631	16,763	16,385	-0.8	+2.3	+24.1	17,394	17,325	16,581	12,851	+35.4
Construction, mining and material handling equipment	9,738	9,968	10,316	-2.3	-3.4	-3.3	9,474	9,689	9,894	9,967	-4.9
Metalworking machinery	6,759	6,894	7,135	-2.0	-3.4	-2.7	6,759	6,894	7,135	7,581	-10.8
Computer and office equipment	7,603	7,745	8,001	-1.8	-3.2	0.0	7,858	7,885	7,996	8,351	-5.9
Electronic and other electrical equipment	60,386	60,378	59,249	0.0	+1.9	+0.8	60,706	62,795	57,546	55,596	+9.2
Electrical transmission and distribution equipment and industrial apparatus	6,373	6,435	6,396	-1.0	+0.6	-0.7	6,249	6,374	6,255	6,400	-2.4
Electric lighting and wiring equipment	4,912	5,006	4,986	-1.9	+0.4	-3.9	4,912	5,006	4,986	4,882	+0.6
Communications equipment	17,781	17,510	17,120	+1.5	+2.3	+1.8	17,781	17,500	17,107	14,792	+20.2
Electronic components	25,230	25,526	25,007	-1.2	+2.1	+1.5	25,825	27,937	23,475	23,401	+10.4
Transportation equipment	244,804	248,247	251,394	-1.4	-1.3	-0.6	242,986	246,459	250,126	253,617	-4.2
Aircraft, missiles, space vehicles, and parts.	208,616	211,882	215,042	-1.5	-1.5	-1.3	206,968	210,264	213,757	219,168	-5.6
Shipbuilding and tanks	17,967	18,465	17,985	-2.7	+2.7	+6.1	18,015	18,511	18,047	17,424	+3.4
Instruments and related products	47,422	48,004	48,402	-1.2	-0.8	+0.2	46,986	47,651	47,952	49,084	-4.3
Search and navigation equipment	26,582	26,982	27,421	-1.5	-1.6	0.0	26,091	26,447	27,109	28,377	-8.1
Measuring and controlling devices	10,087	10,214	10,211	-1.2	0.0	-0.7	10,087	10,214	10,211	10,618	-5.0
Medical instruments and supplies	9,727	9,841	9,798	-1.2	+0.4	+2.1	9,850	10,047	9,655	8,436	+16.8
All other durable goods	8,180	8,193	8,125	-0.2	+0.8	+0.7	8,230	8,487	8,317	8,622	-4.5
Nondurable goods industries	24,161	24,037	24,212	+0.5	-0.7	-0.1	23,423	23,245	24,278	25,452	-8.0

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Nov. 98/97
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997	
All manufacturing industries	471,720	471,031	468,552	+0.1	+0.5	0.0	471,839	471,645	467,407	458,113	+3.0
Manufacturing industries with unfilled orders	316,010	316,459	315,009	-0.1	+0.5	0.0	315,486	316,425	314,283	304,664	+3.6
without defense capital goods	452,530	451,954	449,779	+0.1	+0.5	+0.1	452,772	452,403	448,400	441,532	+2.5
Durable goods industries	298,463	298,561	296,757	0.0	+0.6	-0.1	298,757	298,510	295,733	288,424	+3.6
With unfilled orders	274,367	274,859	273,277	-0.2	+0.6	-0.1	274,436	275,050	272,462	264,934	+3.6
Stone, clay, and glass products	9,308	9,235	9,237	+0.8	0.0	+0.8	8,985	8,894	9,049	8,710	+3.2
Primary metals	24,849	24,825	24,898	+0.1	-0.3	+0.2	24,750	24,694	24,912	24,371	+1.6
Blast furnaces, steel mills	12,199	12,312	12,398	-0.9	-0.7	-0.3	12,285	12,350	12,464	11,831	+3.8
Iron and steel foundries	1,582	1,576	1,570	+0.4	+0.4	-0.8	1,541	1,539	1,540	1,520	+1.4
Nonferrous and other primary metals	11,068	10,937	10,930	+1.2	+0.1	+0.8	10,924	10,805	10,908	11,020	-0.9
Fabricated metal products	31,209	31,093	31,050	+0.4	+0.1	+0.3	30,818	30,767	30,831	29,163	+5.7
Industrial machinery and equipment	60,968	60,811	60,938	+0.3	-0.2	0.0	61,473	60,710	60,425	60,754	+1.2
Engines and turbines	4,048	3,959	4,022	+2.2	-1.6	-2.7	4,261	4,067	4,055	4,356	-2.2
Farm and garden machinery	3,898	3,847	3,786	+1.3	+1.6	+1.4	3,948	3,620	3,546	3,488	+13.2
Construction, mining and material handling equipment	9,016	8,901	8,807	+1.3	+1.1	+0.6	8,990	8,832	8,694	7,998	+12.4
Metalworking machinery	7,780	7,829	7,953	-0.6	-1.6	+0.4	7,694	7,920	8,115	7,249	+6.1
Computer and office equipment	9,031	9,148	9,316	-1.3	-1.8	-1.6	9,336	9,230	9,073	11,251	-17.0
Electronic and other electrical equipment	40,380	40,589	40,172	-0.5	+1.0	-0.9	40,292	40,656	39,852	40,240	+0.1
Electrical transmission and distribution equipment and industrial apparatus	5,357	5,331	5,261	+0.5	+1.3	-0.3	5,424	5,353	5,208	5,683	-4.6
Household appliances	2,442	2,440	2,401	+0.1	+1.6	+1.0	2,369	2,375	2,285	2,306	+2.7
Electric lighting and wiring equipment	3,523	3,538	3,501	-0.4	+1.1	+0.4	3,527	3,570	3,454	3,391	+4.0
Household audio and video equipment	1,088	1,077	1,055	+1.0	+2.1	+4.0	1,047	1,085	1,111	983	+6.5
Communications equipment	10,197	10,388	10,362	-1.8	+0.3	-0.2	10,270	10,469	10,309	10,730	-4.3
Electronic components	14,114	14,169	13,986	-0.4	+1.3	-2.9	14,096	14,177	13,871	13,722	+2.7
Transportation equipment	76,555	76,999	75,702	-0.6	+1.7	-0.1	77,299	77,643	75,935	71,881	+7.5
Motor vehicles and parts	17,200	16,755	16,701	+2.7	+0.3	+1.2	17,301	16,765	16,889	16,191	+6.9
Aircraft, missiles, space vehicles, and parts	53,699	54,591	53,441	-1.6	+2.2	-0.2	54,356	55,267	53,512	50,492	+7.7
Shipbuilding and tanks	1,759	1,811	1,845	-2.9	-1.8	+0.1	1,757	1,786	1,843	1,594	+10.2
Instruments and related products	26,798	26,667	26,577	+0.5	+0.3	-0.3	26,859	26,759	26,545	26,273	+2.2
Search and navigation equipment	6,764	6,772	6,705	-0.1	+1.0	-0.2	6,675	6,708	6,674	6,364	+4.9
Measuring and controlling devices	7,993	8,007	8,019	-0.2	-0.1	-0.9	8,000	7,982	7,975	8,092	-1.1
Medical instruments and supplies	8,639	8,502	8,524	+1.6	-0.3	+0.2	8,751	8,585	8,470	8,591	+1.9
Photographic goods	2,660	2,654	2,625	+0.2	+1.1	-0.2	2,686	2,751	2,734	2,559	+5.0
All other durable goods	28,396	28,342	28,183	+0.2	+0.6	+0.7	28,281	28,387	28,184	27,032	+4.6
Nondurable goods industries	173,257	172,470	171,795	+0.5	+0.4	+0.2	173,082	173,135	171,674	169,689	+2.0
With unfilled orders	41,643	41,600	41,732	+0.1	-0.3	+0.5	41,050	41,375	41,821	39,730	+3.3
Food and kindred products	37,384	37,459	37,112	-0.2	+0.9	0.0	38,933	39,453	37,919	38,562	+1.0
Meat products	4,017	4,042	4,031	-0.6	+0.3	-0.2	3,978	4,038	3,976	3,929	+1.2
Dairy products	3,818	3,797	3,774	+0.6	+0.6	0.0	3,698	3,803	3,745	3,381	+9.4
Beverages	8,336	8,206	8,140	+1.6	+0.8	-0.5	8,522	8,450	8,293	8,134	+4.8
All other foods, except fats and oils	19,293	19,371	19,257	-0.4	+0.6	-0.2	20,700	21,052	20,160	21,024	-1.5
Tobacco products	5,945	6,020	5,783	-1.2	+4.1	+4.0	6,139	6,154	5,577	6,018	+2.0
Textile mill products	10,204	10,286	10,307	-0.8	-0.2	+0.6	9,969	10,095	10,116	9,927	+0.4
Broadwoven fabrics and other textiles	6,365	6,410	6,410	-0.7	0.0	+0.6	6,283	6,307	6,261	6,205	+1.3
Paper and allied products	16,481	16,511	16,527	-0.2	-0.1	-0.7	16,249	16,260	16,344	15,845	+2.5
Pulp, paper, and paperboard mill products	6,746	6,766	6,733	-0.3	+0.5	+0.3	6,686	6,667	6,666	6,455	+3.6
Paperboard containers and boxes	4,188	4,210	4,235	-0.5	-0.6	-2.5	4,077	4,108	4,198	3,890	+4.8
Miscellaneous converted paper products	5,547	5,535	5,559	+0.2	-0.4	-0.4	5,486	5,485	5,480	5,500	-0.3
Chemicals and allied products	46,872	46,356	46,313	+1.1	+0.1	-0.5	46,486	45,792	45,777	43,922	+5.8
Industrial chemicals	19,896	19,910	20,211	-0.1	-1.5	-0.6	19,647	19,632	20,148	20,114	-2.3
Drugs, soaps, and toiletries	21,217	20,656	20,381	+2.7	+1.3	-0.6	21,203	20,566	20,203	18,614	+13.9
Petroleum and coal products	10,967	10,832	10,770	+1.2	+0.6	+0.1	11,077	10,939	10,867	12,585	-12.0
Rubber and plastics products	16,855	16,678	16,607	+1.1	+0.4	-0.6	16,543	16,278	16,270	16,161	+2.4
All other nondurable goods	28,549	28,328	28,376	+0.8	-0.2	+1.4	27,686	28,164	28,804	26,669	+3.8

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted ²						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997	Nov. 98/97	1998 ^p	1997
SHIPMENTS													
All manufacturing industries	341,370	340,133	340,481	+0.4	-0.1	+1.2	341,714	350,525	364,324	331,406	+3.1	3,710,500	3,597,036
Market categories :													
Automotive equipment	15,213	15,238	15,157	-0.2	+0.5	+2.6	15,775	17,281	16,275	14,690	+7.4	161,153	156,259
Home goods and apparel	18,590	18,496	18,656	+0.5	-0.9	-1.4	19,395	20,595	21,064	19,774	-1.9	209,646	203,978
Consumer staples	69,343	68,901	69,893	+0.6	-1.4	+0.8	70,224	71,153	73,983	69,340	+1.3	759,951	740,861
Machinery and equipment	67,027	66,717	66,513	+0.5	+0.3	+4.2	66,044	66,124	73,262	58,716	+12.5	702,068	642,869
Business supplies	25,382	25,444	25,416	-0.2	+0.1	-0.1	25,920	26,308	26,584	25,892	+0.1	280,489	276,967
Construction materials and supplies	21,838	21,719	21,705	+0.5	+0.1	+0.2	21,444	22,944	23,183	20,588	+4.2	239,551	233,224
Defense products	7,200	7,269	6,874	-0.9	+5.7	-1.4	7,320	7,184	7,368	7,268	+0.7	75,482	72,135
Other materials, supplies and and intermediate products	116,777	116,349	116,267	+0.4	+0.1	+0.7	115,592	118,936	122,605	115,138	+0.4	1,282,160	1,270,743
Durable goods industries :													
Nondefense capital goods ³	54,336	53,870	53,419	+0.9	+0.8	+4.3	52,967	51,412	59,943	46,160	+14.7	561,188	505,817
Excluding aircraft and parts	44,873	44,985	45,021	-0.2	-0.1	+3.0	43,261	43,008	50,929	39,515	+9.5	476,185	434,363
Defense capital goods ⁴	6,904	7,068	6,606	-2.3	+7.0	-1.2	7,104	7,003	7,093	6,981	+1.8	72,038	68,094
Durables excluding capital goods	133,683	132,880	132,817	+0.6	0.0	+1.5	134,923	140,710	142,000	128,752	+4.8	1,444,803	1,397,641
Miscellaneous series :													
Producers' durable equipment	127,261	126,474	126,031	+0.6	+0.4	+3.2	127,347	129,912	137,399	116,297	+9.5	1,345,516	1,260,424
Household durable goods	9,345	9,244	9,231	+1.1	+0.1	-0.2	9,881	10,080	10,549	9,726	+1.6	102,816	96,978
Information technology industries	25,790	25,285	25,415	+2.0	-0.5	+3.2	25,067	23,285	30,210	21,977	+14.1	265,615	240,652
Health care equipment and products	12,373	11,879	12,382	+4.2	-4.1	+4.1	12,243	11,836	13,782	11,088	+10.4	130,436	120,084
NEW ORDERS													
All manufacturing industries	336,604	334,663	340,388	+0.6	-1.7	+0.8	334,672	347,900	359,884	340,579	-1.7	3,694,665	3,621,413
Market categories :													
Automotive equipment	15,231	15,241	15,223	-0.1	+0.1	+3.3	15,757	17,276	16,288	14,592	+8.0	161,007	156,393
Home goods and apparel	18,857	18,786	18,792	+0.4	0.0	-1.8	19,335	20,725	21,051	19,815	-2.4	209,672	205,796
Consumer staples	69,506	68,776	69,884	+1.1	-1.6	+0.8	70,390	70,795	73,786	69,167	+1.8	760,168	740,820
Machinery and equipment	64,289	63,403	67,815	+1.4	-6.5	+0.8	63,441	63,425	73,983	70,353	-9.8	703,411	663,521
Business supplies	25,550	25,291	25,434	+1.0	-0.6	+0.2	26,059	25,897	26,378	25,797	+1.0	280,779	277,131
Construction materials and supplies	21,731	21,655	21,391	+0.4	+1.2	-0.6	21,200	22,690	22,793	20,451	+3.7	239,088	234,296
Defense products	6,030	6,662	7,467	-9.5	-10.8	+39.8	6,254	6,119	7,945	6,439	-2.9	66,442	62,109
Other materials, supplies and and intermediate products	115,410	114,849	114,382	+0.5	+0.4	-0.6	112,236	120,973	117,660	113,965	-1.5	1,274,098	1,281,347
Durable goods industries :													
Nondefense capital goods ³	50,973	50,138	53,540	+1.7	-6.4	-3.3	50,055	48,453	60,062	57,652	-13.2	560,001	522,930
Excluding aircraft and parts	44,180	43,030	47,663	+2.7	-9.7	+6.4	43,019	41,826	53,569	40,397	+6.5	478,806	442,153
Defense capital goods ⁴	5,873	6,353	7,042	-7.6	-9.8	+42.8	6,097	5,735	7,529	6,124	-0.4	62,989	57,909
Durables excluding capital goods	133,187	132,032	132,201	+0.9	-0.1	+1.7	131,622	143,345	137,706	127,439	+3.3	1,441,005	1,414,265
Miscellaneous series :													
Producers' durable equipment	125,003	123,187	128,493	+1.5	-4.1	+3.1	124,690	127,504	139,041	127,855	-2.5	1,346,266	1,285,998
Household durable goods	9,380	9,387	9,285	-0.1	+1.1	-1.1	9,663	10,266	10,576	9,763	-1.0	102,443	98,723
Information technology industries	25,353	25,062	25,660	+1.2	-2.3	+5.4	24,721	23,198	30,287	21,948	+12.6	267,266	243,226
Health care equipment and products	12,260	11,922	12,581	+2.8	-5.2	+5.8	12,046	12,228	13,797	11,246	+7.1	131,864	121,010

^p Preliminary. ^r Revised.

¹ Topical series are regroupings of the separate industry categories.

² Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

³ Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

⁴ Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey error and revision.

**Table 6. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS AND TOTAL INVENTORIES
FOR TOPICAL SERIES¹
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Nov. 98/97
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997	
UNFILLED ORDERS											
All manufacturing industries	520,030	524,796	530,266	-0.9	-1.0	0.0	515,723	522,765	525,390	533,329	-3.3
Market categories :											
Automotive equipment	2,401	2,382	2,380	+0.8	+0.1	+2.9	2,340	2,358	2,364	2,456	-4.7
Home goods and apparel	8,912	8,646	8,356	+3.1	+3.5	+1.7	8,583	8,643	8,513	8,966	-4.3
Consumer staples	2,309	2,146	2,271	+7.6	-5.5	-0.4	2,266	2,100	2,458	2,044	+10.9
Machinery and equipment	244,181	246,919	250,233	-1.1	-1.3	+0.5	244,084	246,688	249,387	245,781	-0.7
Business supplies	6,901	6,733	6,886	+2.5	-2.2	+0.3	6,723	6,584	6,994	6,650	+1.1
Construction materials and supplies	17,511	17,618	17,682	-0.6	-0.4	-1.7	17,163	17,408	17,661	17,480	-1.8
Defense products	90,449	91,620	92,227	-1.3	-0.7	+0.6	88,505	89,571	90,636	94,975	-6.8
Other materials, supplies and and intermediate products	147,366	148,732	150,231	-0.9	-1.0	-1.2	146,059	149,413	147,377	154,977	-5.8
Durable goods industries :											
Nondefense capital goods ³	259,609	262,972	266,704	-1.3	-1.4	0.0	260,029	262,941	265,900	264,284	-1.6
Excluding aircraft and parts	105,373	106,066	108,021	-0.7	-1.8	+2.5	105,793	106,035	107,217	104,010	+1.7
Defense capital goods ⁴	95,306	96,337	97,052	-1.1	-0.7	+0.5	93,167	94,174	95,442	99,519	-6.4
Durables excluding capital goods	140,954	141,450	142,298	-0.4	-0.6	-0.4	139,104	142,405	139,770	144,074	-3.4
Miscellaneous series :											
Producers' durable equipment	284,182	286,440	289,727	-0.8	-1.1	+0.9	283,864	286,521	288,929	285,969	-0.7
Household durable goods	5,465	5,430	5,287	+0.6	+2.7	+1.0	5,410	5,628	5,442	6,199	-12.7
Information technology industries	39,400	39,837	40,060	-1.1	-0.6	+0.6	39,621	39,967	40,054	38,783	+2.2
Health care equipment and products	9,768	9,881	9,838	-1.1	+0.4	+2.1	9,892	10,089	9,697	8,481	+16.6
TOTAL INVENTORIES											
All manufacturing industries	471,720	471,031	468,552	+0.1	+0.5	0.0	471,839	471,645	467,407	458,113	+3.0
Market categories :											
Automotive equipment	8,577	8,364	8,287	+2.5	+0.9	-0.5	8,568	8,319	8,332	8,063	+6.3
Home goods and apparel	32,584	32,345	32,107	+0.7	+0.7	+1.2	31,330	31,774	32,046	29,550	+6.0
Consumer staples	74,002	73,416	72,651	+0.8	+1.1	+0.1	75,522	75,293	73,120	73,342	+3.0
Machinery and equipment	120,779	121,725	120,647	-0.8	+0.9	-0.2	122,022	122,161	119,884	119,567	+2.1
Business supplies	28,404	28,315	28,474	+0.3	-0.6	+1.2	28,293	28,445	28,721	27,444	+3.1
Construction materials and supplies	29,038	28,973	28,820	+0.2	+0.5	+0.2	28,666	28,663	28,578	27,954	+2.5
Defense products	18,803	18,764	18,499	+0.2	+1.4	-1.3	18,664	18,898	18,677	16,452	+13.4
Other materials, supplies and and intermediate products	159,533	159,129	159,067	+0.3	0.0	-0.1	158,774	158,092	158,049	155,741	+1.9
Durable goods industries :											
Nondefense capital goods ³	112,655	113,708	112,839	-0.9	+0.8	-0.1	113,901	114,349	112,209	112,712	+1.1
Excluding aircraft and parts	71,823	71,729	71,709	+0.1	0.0	-0.3	72,325	71,880	71,233	72,704	-0.5
Defense capital goods ⁴	19,190	19,077	18,773	+0.6	+1.6	-1.2	19,067	19,242	19,007	16,581	+15.0
Durables excluding capital goods	166,618	165,776	165,145	+0.5	+0.4	+0.1	165,789	164,919	164,517	159,131	+4.2
Miscellaneous series :											
Producers' durable equipment	193,767	194,481	193,253	-0.4	+0.6	0.0	194,506	194,599	192,300	189,148	+2.8
Household durable goods	16,677	16,556	16,393	+0.7	+1.0	+1.4	16,287	16,429	16,350	14,996	+8.6
Information technology industries	32,408	32,672	32,769	-0.8	-0.3	-0.7	32,728	32,841	32,468	34,809	-6.0
Health care equipment and products	20,128	19,692	19,564	+2.2	+0.7	-0.2	20,231	19,723	19,413	18,689	+8.3

See footnotes at end of table 5.

See note at end of table 2 relating to survey error and revision.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,
BY INDUSTRY GROUP**
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Nov. 98/97
	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Oct.- Nov.	Sept.- Oct.	Aug.- Sept.	Nov. 1998 ^p	Oct. 1998 ^r	Sept. 1998	Nov. 1997	
MATERIALS AND SUPPLIES											
All manufacturing industries	156,042	156,036	156,129	0.0	-0.1	+0.3	155,701	156,447	156,325	150,649	+3.4
Durable goods industries	93,187	93,345	93,291	-0.2	+0.1	+0.3	93,533	93,872	93,880	90,500	+3.4
Stone, clay, and glass products	3,141	3,111	3,137	+1.0	-0.8	+1.8	3,138	3,113	3,157	2,993	+4.8
Primary metals	7,935	7,933	8,075	0.0	-1.8	+0.7	8,093	8,102	8,193	7,978	+1.4
Fabricated metal products	10,699	10,746	10,848	-0.4	-0.9	+1.6	10,617	10,711	10,884	10,126	+4.8
Industrial machinery and equipment	19,629	19,581	19,741	+0.2	-0.8	+0.1	19,753	19,621	19,933	19,592	+0.8
Electronic and other electrical equipment	15,757	15,921	15,607	-1.0	+2.0	-0.8	15,705	16,039	15,612	15,413	+1.9
Transportation equipment	15,638	15,603	15,596	+0.2	0.0	+0.3	15,605	15,482	15,596	14,726	+6.0
Instruments and related products	9,299	9,281	9,251	+0.2	+0.3	-0.5	9,198	9,257	9,267	8,767	+4.9
Lumber, furniture and miscellaneous durable goods	11,089	11,169	11,036	-0.7	+1.2	+0.6	11,424	11,547	11,238	10,905	+4.8
Nondurable goods industries	62,855	62,691	62,838	+0.3	-0.2	+0.3	62,168	62,575	62,445	60,149	+3.4
Food and kindred products	11,382	11,406	11,495	-0.2	-0.8	+0.3	11,524	11,713	11,244	10,937	+5.4
Tobacco products	5,143	5,228	5,019	-1.6	+4.2	+4.1	5,049	5,184	4,857	4,988	+1.2
Textile mill products	2,912	2,957	2,989	-1.5	-1.1	+0.3	2,811	2,863	2,922	2,881	-2.4
Paper and allied products	7,964	7,992	8,059	-0.4	-0.8	-1.3	7,898	7,970	8,042	7,691	+2.7
Chemicals and allied products	15,465	15,535	15,574	-0.5	-0.3	+0.3	15,321	15,481	15,605	14,647	+4.6
Petroleum and coal products	3,570	3,243	3,266	+10.1	-0.7	-1.6	3,515	3,241	3,240	3,709	-5.2
Rubber and plastics products	6,993	6,903	6,833	+1.3	+1.0	-0.1	6,902	6,798	6,807	6,422	+7.5
Apparel, printing and publishing and leather goods	9,426	9,427	9,603	0.0	-1.8	+0.9	9,148	9,325	9,728	8,874	+3.1
WORK IN PROCESS											
All manufacturing industries	152,728	152,848	151,227	-0.1	+1.1	-0.6	154,156	154,277	151,584	149,075	+3.4
Durable goods industries	122,838	123,446	122,063	-0.5	+1.1	-0.7	123,545	123,982	122,089	118,848	+4.0
Stone, clay, and glass products	1,358	1,356	1,338	+0.1	+1.3	-1.4	1,255	1,282	1,306	1,202	+4.4
Primary metals	8,682	8,604	8,574	+0.9	+0.3	-0.5	8,544	8,514	8,582	8,609	-0.8
Fabricated metal products	9,261	9,135	9,005	+1.4	+1.4	-0.2	9,274	9,159	9,082	8,669	+7.0
Industrial machinery and equipment	22,832	22,828	22,794	0.0	+0.1	-1.4	23,139	22,946	22,802	22,734	+1.8
Electronic and other electrical equipment	13,951	14,112	14,106	-1.1	0.0	-1.2	13,941	14,093	14,017	14,080	-1.0
Transportation equipment	51,392	52,225	51,113	-1.6	+2.2	-0.3	52,111	52,895	51,213	48,181	+8.2
Instruments and related products	10,035	9,939	9,838	+1.0	+1.0	-1.0	10,058	9,867	9,749	10,078	-0.2
Lumber, furniture and miscellaneous durable goods	5,327	5,247	5,295	+1.5	-0.9	+0.2	5,223	5,226	5,338	5,295	-1.4
Nondurable goods industries	29,890	29,402	29,164	+1.7	+0.8	-0.4	30,611	30,295	29,495	30,227	+1.3
Food and kindred products	5,690	5,588	5,425	+1.8	+3.0	-2.3	6,360	6,352	5,575	6,628	-4.0
Tobacco products	93	92	102	+1.1	-9.8	-5.6	105	106	107	107	-1.9
Textile mill products	2,619	2,644	2,650	-0.9	-0.2	-0.7	2,610	2,650	2,660	2,713	-3.8
Paper and allied products	1,556	1,551	1,566	-0.3	-1.0	-2.7	1,498	1,485	1,546	1,552	-3.5
Chemicals and allied products	9,200	8,773	8,621	+4.9	+1.8	-0.7	9,202	8,719	8,584	8,088	+13.8
Petroleum and coal products	2,488	2,627	2,631	-5.3	-0.2	+6.5	2,505	2,681	2,663	2,875	-12.9
Rubber and plastics products	2,235	2,195	2,210	+1.8	-0.7	-0.8	2,270	2,216	2,205	2,243	+1.2
Apparel, printing and publishing and leather goods	6,009	5,932	5,959	+1.3	-0.5	0.0	6,061	6,086	6,155	6,021	+0.7
FINISHED GOODS											
All manufacturing industries	162,950	162,147	161,196	+0.5	+0.6	+0.3	161,982	160,921	159,498	158,389	+2.3
Durable goods industries	82,438	81,770	81,403	+0.8	+0.5	+0.5	81,679	80,656	79,764	79,076	+3.3
Stone, clay, and glass products	4,809	4,768	4,762	+0.9	+0.1	+0.8	4,592	4,499	4,586	4,515	+1.7
Primary metals	8,232	8,288	8,249	-0.7	+0.5	+0.2	8,113	8,078	8,137	7,784	+4.2
Fabricated metal products	11,249	11,212	11,197	+0.3	+0.1	-0.5	10,927	10,897	10,865	10,368	+5.4
Industrial machinery and equipment	18,507	18,402	18,403	+0.6	0.0	+1.5	18,581	18,143	17,690	18,428	+0.8
Electronic and other electrical equipment	10,672	10,556	10,459	+1.1	+0.9	-0.6	10,646	10,524	10,223	10,747	-0.9
Transportation equipment	9,525	9,171	8,993	+3.9	+2.0	-0.1	9,583	9,266	9,126	8,974	+6.8
Instruments and related products	7,464	7,447	7,488	+0.2	-0.5	+1.0	7,603	7,635	7,529	7,428	+2.4
Lumber, furniture and miscellaneous durable goods	11,980	11,926	11,852	+0.5	+0.6	+0.9	11,634	11,614	11,608	10,832	+7.4
Nondurable goods industries	80,512	80,377	79,793	+0.2	+0.7	+0.2	80,303	80,265	79,734	79,313	+1.2
Food and kindred products	20,312	20,465	20,192	-0.7	+1.4	+0.5	21,049	21,388	21,100	20,997	+0.2
Tobacco products	709	700	662	+1.3	+5.7	+4.3	985	864	613	923	+6.7
Textile mill products	4,673	4,685	4,668	-0.3	+0.4	+1.6	4,548	4,582	4,534	4,333	+5.0
Paper and allied products	6,961	6,968	6,902	-0.1	+1.0	+0.4	6,853	6,805	6,756	6,602	+3.8
Chemicals and allied products	22,207	22,048	22,118	+0.7	-0.3	-0.9	21,963	21,592	21,588	21,187	+3.7
Petroleum and coal products	4,909	4,962	4,873	-1.1	+1.8	-1.9	5,057	5,017	4,964	6,001	-15.7
Rubber and plastics products	7,627	7,580	7,564	+0.6	+0.2	-0.9	7,371	7,264	7,258	7,496	-1.7
Apparel, printing and publishing and leather goods	13,114	12,969	12,814	+1.1	+1.2	+2.5	12,477	12,753	12,921	11,774	+6.0

^p Preliminary. ^r Revised.

See note at end of table 2 relating to survey error and revision.

Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio ¹			
	Nov. 1998 ^p	Oct. 1998 ^p	Sept. 1998	Aug. 1998	Nov. 1998 ^p	Oct. 1998 ^p	Sept. 1998	Aug. 1998
All manufacturing industries	1.38	1.38	1.38	1.39	2.62	2.66	2.70	2.74
Durable goods industries	1.53	1.54	1.54	1.57	3.06	3.12	3.17	3.24
Stone, clay, and glass products	1.13	1.13	1.14	1.14	0.79	0.81	0.83	0.84
Primary metals	1.74	1.70	1.67	1.65	2.07	2.01	2.05	2.10
Fabricated metal products	1.53	1.54	1.53	1.54	1.36	1.37	1.38	1.40
Industrial machinery and equipment	1.66	1.64	1.66	1.66	2.08	2.10	2.17	2.11
Electronic and other electrical equipment	1.23	1.26	1.24	1.30	1.85	1.87	1.83	1.88
Transportation equipment	1.58	1.60	1.62	1.71	8.80	9.09	9.68	10.35
Instruments and related products	1.84	1.90	1.86	1.94	3.26	3.42	3.39	3.51
Nondurable goods industries	1.18	1.18	1.16	1.16	0.66	0.65	0.66	0.65
Food and kindred products	0.90	0.91	0.90	0.90	(X)	(X)	(X)	(X)
Tobacco products	1.77	1.74	1.64	1.60	(X)	(X)	(X)	(X)
Textile mill products	1.57	1.57	1.59	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products	1.22	1.23	1.22	1.21	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products	1.45	1.45	1.42	1.45	(X)	(X)	(X)	(X)
Petroleum and coal products	0.99	0.94	0.91	0.91	(X)	(X)	(X)	(X)
Rubber and plastics products	1.28	1.26	1.25	1.27	(X)	(X)	(X)	(X)

^p Preliminary. ^r Revised. (X) Not applicable. (NA) Not available.

¹ Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Nov. ¹ 1998	Nov. ² 1993-1997	Nov. 1997-Oct. 1998	Nov. ¹ 1998	Nov. ² 1993-1997	Nov. 1997-Oct. 1998	Nov. ¹ 1998	Nov. ² 1993-1997	Nov. 1997-Oct. 1998	Nov. ¹ 1998	Nov. ² 1993-1997	Nov. 1997-Oct. 1998
All manufacturing industries	(X)	0.2	0.2	(X)	0.1	0.2	(X)	0.1	0.1	(X)	0.0	0.0
Durable goods industries	0.0	0.3	0.3	-0.2	0.2	0.3	-0.1	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products	(X)	0.6	0.4	(X)	0.5	0.6	(X)	0.5	0.4	(X)	0.2	0.2
Primary metals	-0.7	0.5	0.3	-0.7	0.5	0.7	-0.1	0.2	0.2	(X)	0.1	0.1
Fabricated metal products	(X)	0.5	0.2	(X)	0.7	0.4	(X)	0.3	0.2	(X)	0.1	0.1
Industrial machinery and equipment	0.0	0.8	0.3	-0.5	1.0	0.3	-0.3	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment	-0.1	0.7	0.6	0.0	0.5	0.9	0.0	0.5	0.5	(X)	0.1	0.2
Transportation equipment	-0.3	0.4	0.7	-0.4	0.5	0.9	0.0	0.1	0.1	(X)	0.2	0.2
Instruments and related products	(X)	0.3	0.5	(X)	1.3	1.2	(X)	0.3	0.2	(X)	0.2	0.1
Nondurable goods industries	(X)	0.1	0.1	(X)	0.2	0.1	(X)	0.3	0.1	(X)	0.1	0.0
Food and kindred products	(X)	0.2	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products	(X)	0.1	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Textile mill products	(X)	0.3	0.4	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.2
Paper and allied products	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.1
Chemicals and allied products	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.1
Petroleum and coal products	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.4
Rubber and plastics products	(X)	0.5	0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.0
Capital goods industries :												
Nondefense	-0.3	0.5	0.4	-0.5	0.7	0.4	0.0	0.2	0.1	(X)	0.1	0.1
Defense	-0.1	0.7	0.6	-2.0	2.0	1.7	-0.1	0.1	0.1	(X)	0.2	0.2

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

¹ The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

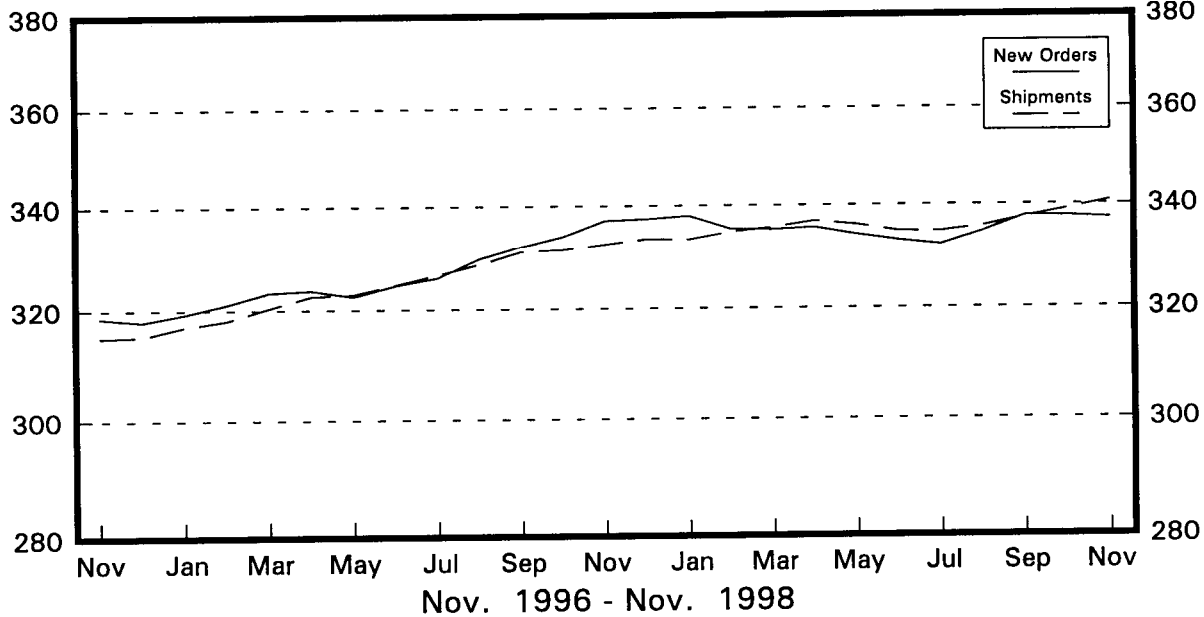
² Average for this month for the last five years.

See note at end of table 2 relating to survey error and revision.

Total Manufacturing

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars

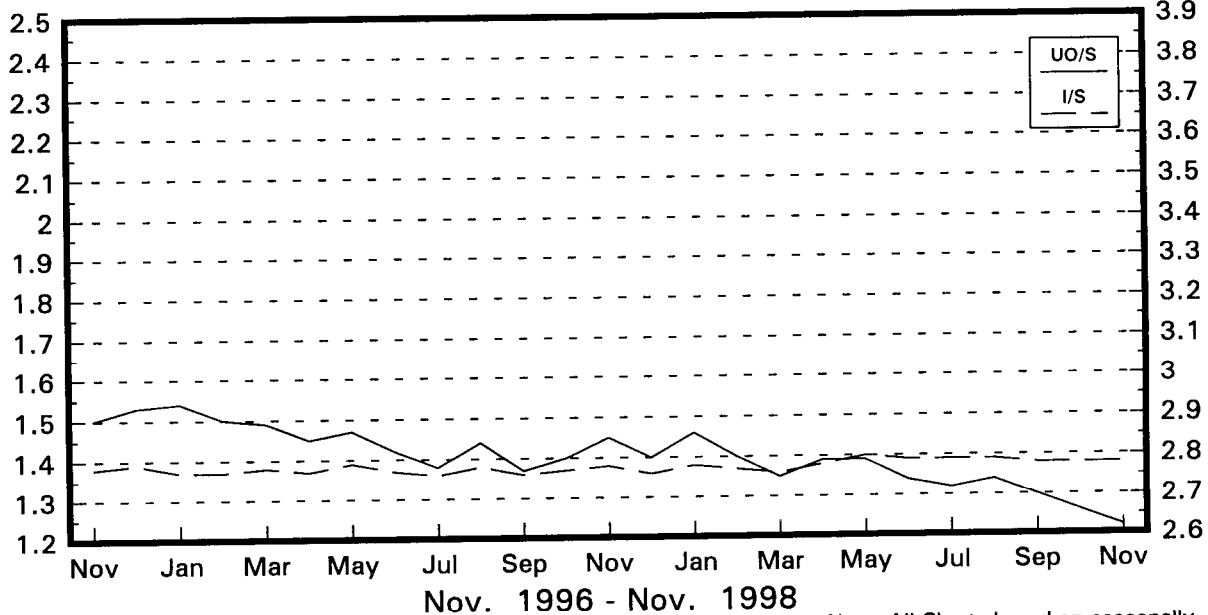


Total Manufacturing

Ratio of Unfilled Orders and
Inventories to Shipments

I/S Ratios

UO/S Ratios



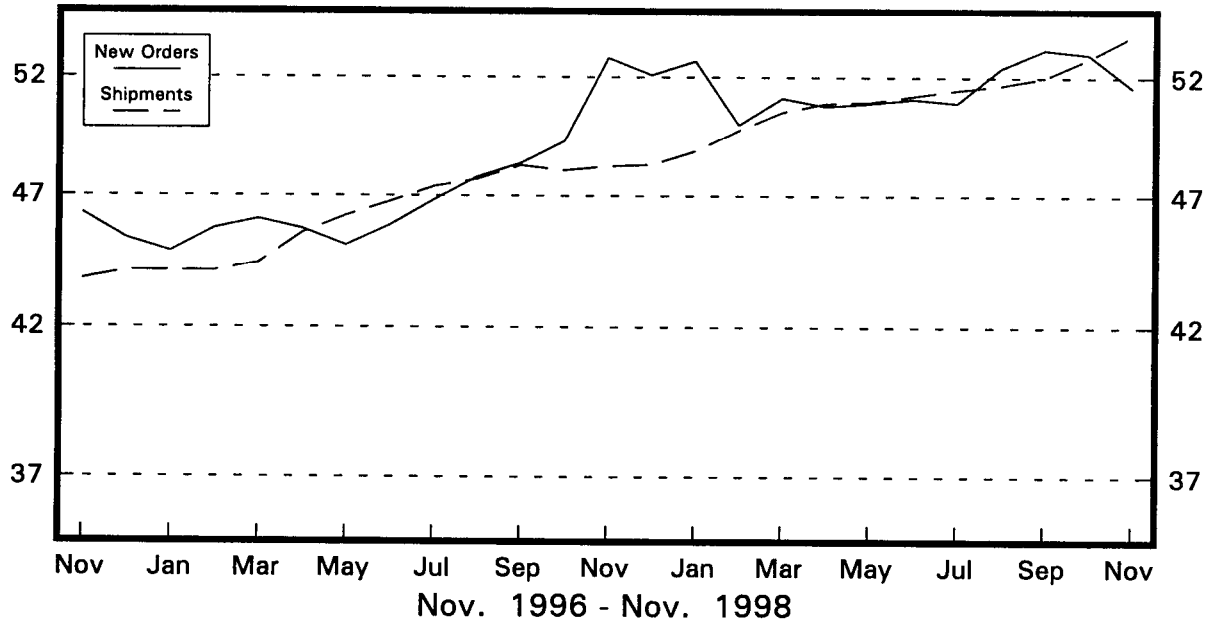
Note: All Charts based on seasonally
adjusted current dollars.

Nondefense Capital Goods

11

New Orders and Shipments
Three Month Moving Averages

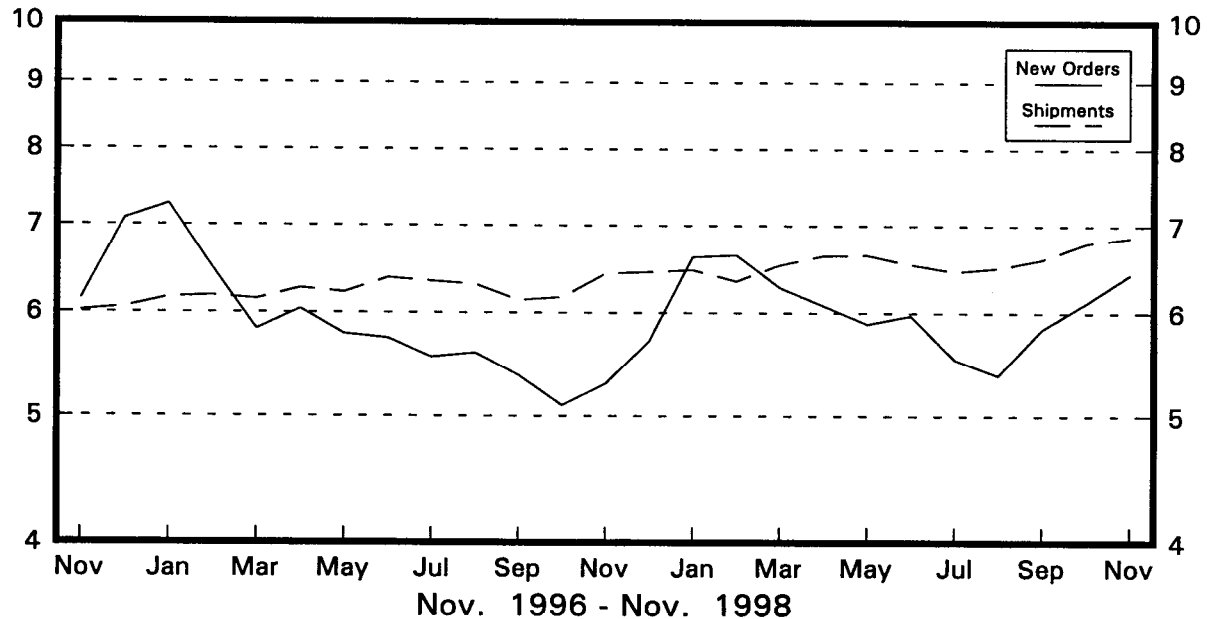
Billions of Dollars



Defense Capital Goods

New Orders and Shipments
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.